TABLE OF CONTENTS

Volume 91

ARTICLES

NIJS JAN DUIJM / Estimates of Roughness Parameters for Arrays of Obstacles 1–22

J. P. NIEVEEN and A. E. GREEN / Measuring Sensible Heat Flux Density over Pasture Using the C_T^2-Profile Method 23–35

JUN ASANUMA and WILFRIED BRUTSAERT / The Effect of Chessboard Variability of the Surface Fluxes on the Aggregated Turbulence Fields in a Convective Atmospheric Surface Layer 37–50

JOOST J. M. DE JONG, ARJEN C. DE VRIES and WIM KLAASEN / Influence of Obstacles on the Aerodynamic Roughness of the Netherlands 51–64

A. R. BROWN / Large-Eddy Simulation and Parametrization of the Effects of Shear on Shallow Cumulus Convection 65–80

W. J. MASSMAN and J. C. WEIL / An Analytical One-Dimensional Second-Order Closure Model of Turbulence Statistics and the Lagrangian Time Scale within and above Plant Canopies of Arbitrary Structure 81–107

JIELUN SUN, WILLIAM MASSMAN and DAVID A. GRANTZ / Aerodynamic Variables in the Bulk Formulation of Turbulent Fluxes 109–125

V. K. MAKIN / A Note on Wind Speed and Sea State Dependence of the Heat Exchange Coefficient 127–134

HONG-SHENG ZHANG and SOON-UNG PARK / Comments on 'A New Method to Determine the Zero-Plane Displacement' 135–139

H. A. R. DE BRUIN and A. VERHOEF / Reply to the Comments on 'A New Method to Determine the Zero-Plane Displacement', by Zhang and Park 141–143

Notice 163

DÖRTHE HANDORF, THOMAS FOKEN and CHRISTOPH KOTTMEIER / The Stable Atmospheric Boundary Layer over an Antarctic Ice Sheet 165–189

E. KAMENETSKY and A. RADIONOFF / Aerodynamics of Mountain Valleys with Varying Cross Sections 191–197

YAPING SHAO and AN LI / Numerical Modelling of Saltation in the Atmospheric Surface Layer 199–225

THARA V. PRABHA, R. VENKATESAN and V. SITARAMAN / Simulation of Meteorological Fields over a Land-Water-Land Terrain and Comparison with Observations 227–257

ÜLLAR RANNIK and TIMO VESALA / Autoregressive Filtering versus Linear Detrending in Estimation of Fluxes by the Eddy Covariance Method 259–280

W. BLUMEN, R. L. GROSSMAN and M. PIPER / Analysis of Heat Budget, Dissipation and Frontogenesis in a Shallow Density Current 281–306
Announcement 337
DEVDUTTA S. NIYOGI, SETHU RAMAN and KIRAN ALAPATY / Uncertainty in the Specification of Surface Characteristics, Part II: Hierarchy of Interaction-Explicit Statistical Analysis 341–366
KATJA HENJES / On Probing the Inertial Subrange 367–384
J-G. LI and B. W. ATKINSON / Transition Regimes in Valley Airflows 385–411
J. A. KALOGIROS, C. G. HELMIS, D. N. ASIMAKOPOULOS and P. G. PAPAGEORGAS / Estimation of ABL Parameters Using the Vertical Velocity Measurements of an Acoustic Sounder 413–449
T. L. HILDERMAN and D. J. WILSON / Simulating Concentration Fluctuation Time Series with Intermittent Zero Periods and Level Dependent Derivatives 451–482
Research Notes
ZBIGNIEW SORBJAN and MAREK ULIASZ / Large-Eddy Simulation of Air Pollution Dispersion in the Nocturnal Cloud-Topped Atmospheric Boundary Layer 145–157
KENNETH NYRÉN and SVEN-ERIK GRYNING / Nomogram for the Height of the Daytime Mixed Layer 307–322
GAD LEVY, COLE B. McCANDLISH and DEAN VICKERS / The Relation Between Ageostrophy and Boundary-Layer Structure in the Western-Pacific Trades (Wake Island) 323–335
DAVID O. MILLER, CHENNING TONG and JOHN C. WYNGAARD / The Effects of Probe-Induced Flow Distortion on Velocity Covariances: Field Observations 483–493
G. G. BURBA, S. B. VERMA and J. KIM / Energy Fluxes of an Open Water Area in a Mid-Latitude Prairie Wetland 495–504
Book Review
R. K. Smith (ed.) / *The Physics and Parameterization of Moist Atmospheric Convection* (S. H. DERBYSHIRE) 159–160
Volume Contents 505–506
Author Index 507
Subject Index Volume 91 509
The 'KLUWER' LaTeX Style File 511–512